

## Claims

1. Spur-toothed wheel for a worm gear having a first wheel disk (12) which carries teeth on a face that is cylindrical or designed in the shape of a truncated cone, characterized in that it has at least one second wheel disk (13, 14) which touches the first wheel disk (12) at a boundary surface (15) and which carries teeth on a face designed in the shape of a truncated cone, that the teeth of the two wheel disks continuously mesh into each other at the boundary surface (15), and that at least one of the two faces converges toward the boundary surface (15).
2. Spur-toothed wheel according to Claim 1, characterized in that the first wheel disk (12) is cylindrical.
3. Spur-toothed wheel according to Claim 1, characterized in that it has two second wheel disks (13, 14) on both sides of the first wheel disk (12).
4. Spur-toothed wheel according to Claim 1, characterized in that it is designed as a single piece.
5. Spur-toothed wheel according to Claim 1, characterized in that it is produced using an injection moulding procedure.
6. Form for producing a toothed wheel according to Claim 1, characterized in that it includes a tooth system insert (20) for the simultaneous shaping of the teeth of all wheel disks (12, 13, 14).
7. Form according to Claim 6, characterized in that the tooth system insert comprises multiple axial sections (21, 22, 26), each of which is complementary to a wheel disk.

8. Form according to Claim 6, characterized in that the tooth system insert extends as a single piece across the entire axial width of the teeth of all wheel disks.

5 9. Form according to Claim 8, characterized in that each tooth notch (24) of the tooth system insert (20, 20') is produced using a number of processing steps corresponding to the number of wheel disks (12, 13, 14) using an abrading tool (23), whereby the tooth system insert (20, 20') is tilted downward relative to the tool (23) between two processing steps.

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10. Form according to Claim 6 for producing a toothed wheel according to Claim 2, characterized in that the tooth system insert (20) is designed as a single piece in the circumferential direction for removing the spur-toothed wheel from the mould in the axial direction.

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11. Form according to Claim 6, characterized in that the tooth system insert (20') is divided into multiple segments (27) in the circumferential direction for removal from the mould in the radial direction.



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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	